Figure 6A

```
  1 S   D   T   V   C   D   S   C   E   D   S   T   Y   T   Q   L   W   N   W   V
  1 tcggacaccgtgtgtgactcctgtgaggacagcacatacacccagctctggaactgggtt
  1          10        20        30        40        50

 21 P   E   C   L   S   C   G   S   R   C   S   S   D   Q   V   E   T   Q   A   C
 61 cccgagtgcttgagctgtggctcccgctgtagctctgaccaggtggaaactcaagcctgc
 61          70        80        90       100       110

 41 T   R   E   Q   N   R   I   C   T   C   R   P   G   W   Y   C   A   L   S   K
121 actcgggaacagaaccgcatctgcacctgcaggcccggctggtactgcgcgctgagcaag
121         130       140       150       160       170

 61 Q   E   G   C   R   L   C   A   P   L   P   K   C   R   P   G   F   G   V   A
181 caggaggggtgccggctgtgcgcgccgctgccgaagtgccgcccgggcttcggcgtggcc
181         190       200       210       220       230

 81 R   P   G   T   E   T   S   D   V   V   C   K   P   C   A   P   G   T   F   S
241 agaccaggaactgaaacatcagacgtggtgtgcaagccctgtgccccggggacgttctcc
241         250       260       270       280       290

101 N   T   T   S   S   T   D   I   C   R   P   H   Q   I   C   N   V   V   A   I
301 aacacgacttcatccacggatatttgcaggcccccaccagatctgtaacgtggtggccatc
301         310       320       330       340       350

121 P   G   N   A   S   R   D   A   V   C   T   S   T   S   P   T   R   S   M   A
361 cctgggaatgcaagcagggatgcagtctgcacgtccacgtcccccacccggagtatggcc
361         370       380       390       400       410

141 P   G   A   V   H   L   P   Q   P   V   S   T   R   S   Q   H   T   Q   P   S
421 ccaggggcagtacacttaccccagccagtgtccacacgatcccaacacacgcagccaagt
421         430       440       450       460       470

161 P   E   P   S   T   A   P   S   T   S   F   L   L   P   M   G   P   S   P   P
481 ccagaacccagcactgctccaagcacctccttcctgctcccaatgggccccagccccccca
481         490       500       510       520       530

181 A   E   G   S   T   G   D   F   A   L   P   V   G   L   I   V   G   V   T   A
541 gctgaagggagcactggcgacttcgctcttccagttggactgattgtgggtgtgacagcc
541         550       560       570       580       590

201 L   G   L   L   I   I   G   V   V   N   C   V   I   M   T   Q   V   K   K   K
601 ttgggtctactaataataggagtggtgaactgtgtcatcatgacccaggtgaaaaagaag
601         610       620       630       640       650

221 P   L   C   L   Q   R   E   A   K   V   P   H   L   P   A   D   K   A   R   G
661 cccttgtgcctgcagagagaagccaaggtgcctcacttgcctgccgataaggcccggggt
661         670       680       690       700       710

241 T   Q   G   P   E   Q   Q   H   L   L   I   T   A   P   S   S   S   S   S   S
721 acacagggccccgagcagcagcacctgctgatcacagcgccgagctccagcagcagctcc
721         730       740       750       760       770

261 L   E   S   S   A   S   A   L   D   R   R   A   P   T   R   N   Q   P   Q   A
781 ctggagagctcggccagtgcgttggacagaagggcgcccactcggaaccagccacaggca
781         790       800       810       820       830

281 P   G   V   E   A   S   G   A   G   E   A   R   A   S   T   G   S   S   A   D
841 ccaggcgtggaggccagtggggccggggaggcccgggccagcaccgggagctcagcagat
841         850       860       870       880       890
```

FIGURE 6B

```
301 S   S   P   G   G   H   G   T   Q   V   N   V   T   C   I   V   N   V   C   S
901 tcttcccctggtggccatgggacccaggtcaatgtcacctgcatcgtgaacgtctgtagc
901         910       920       930       940       950

321 S   S   D   H   S   S   Q   C   S   S   Q   A   S   S   T   M   G   D   T   D
961 agctctgaccacagctcacagtgctcctcccaagccagctccacaatgggagacacagat
961         970       980       990       1000      1010

341 S   S   P   S   E   S   P   K   D   E   Q   V   P   F   S   K   E   E   C   A
1021 tccagccctcggagtccccgaaggacgagcaggtccccttctccaaggaggaatgtgcc
1021        1030      1040      1050      1060      1070

361 F   R   S   Q   L   E   T   P   E   T   L   L   G   S   T   E   E   K   P   L
1081 tttcggtcacagctggagacgccagagaccctgctggggagcaccgaagagaagcccctg
1081        1090      1100      1110      1120      1130

381 P   L   G   V   P   D   A   G   M   K   P   S
1141 ccccttggagtgcctgatgctgggatgaagcccagttaaccaggccggtgtgggctgtgt
1141        1150      1160      1170      1180      1190
1201 cgtagccaaggtggctgagccctggcaggatgaccctgcgaagggccctggtccttcca
1201        1210      1220      1230      1240      1250
1261 ggccccaccactaggactctgaggctctttctgggccaagttcctctagtgccctccac
1261        1270      1280      1290      1300      1310
1321 agccgcagcctccctctgacctgcaggccaagagcagaggcagcgagttgtggaaagcct
1321        1330      1340      1350      1360      1370
1381 ctgctgccatggcgtgtccctctcggaaggctggctgggcatggacgttcggggcatgct
1381        1390      1400      1410      1420      1430
1441 ggggcaagtccctgagtctctgtgacctgccccgcccagctgcacctgccagcctggctt
1441        1450      1460      1470      1480      1490
1501 ctggagcccttgggtttttgtttgtttgtttgtttgtttgtttctcccctgggc
1501        1510      1520      1530      1540      1550
1561 tctgcccagctctggcttccagaaaacccagcatcttttctgcagaggggctttctgg
1561        1570      1580      1590      1600      1610
1621 agaggagggatgctgcctgagtcacccatgaagacaggacagtgcttcagcctgaggctg
1621        1630      1640      1650      1660      1670
1681 agactgcgggatggtcctggggctctgtgcagggaggaggtggcagccctgtagggaacg
1681        1690      1700      1710      1720      1730
1741 gggtccttcaagttagctcaggaggcttggaaagcatcacctcaggccaggtgcagtggc
1741        1750      1760      1770      1780      1790
1801 tcacgcctatgatcccagcactttgggaggctgaggcgggtggatcacctgaggttagga
1801        1810      1820      1830      1840      1850
1861 gttcgagaccagcctggccaacatggtaaaaccccatctctactaaaaatacagaaatta
1861        1870      1880      1890      1900      1910
1921 gccgggcgtggtggcgggcacctatagtcccagctactcagaagcctgaggctgggaaat
1921        1930      1940      1950      1960      1970
1981 cgtttgaacccgggaagcggaggttgcagggagccgagatcacgccactgcactccagcc
1981        1990      2000      2010      2020      2030
2041 tgggcgacagagcgagagtctgtctcaaaagaaaaaaaaaaagcaccgcctccaaatgct
2041        2050      2060      2070      2080      2090
2101 aacttgtccttttgtaccatggtgtgaaagtcagatgcccagagggcccaggcaggccac
2101        2110      2120      2130      2140      2150
2161 catattcagtgctgtggcctgggcaagataacgcacttctaactagaaatctgccaattt
2161        2170      2180      2190      2200      2210
2221 tttaaaaaagtaagtaccactcaggccaacaagccaacgacaaagccaaactctgccagc
2221        2230      2240      2250      2260      2270
2281 cacatccaacccccaccctgccatttgcaccctccgccttcactccggtgtgcctgcag
2281        2290      2300      2310      2320      2330
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